

Data sheet | Item number: 890-1761

h-distribution connector; 3-pole; Cod. B; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; gray

www.wago.com/890-1761



Color:



Subject to changes. Please also observe the further product documentation!

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Item description

Distribution connector *WINSTA*® MINI 3-pole

The *WINSTA*® MINI distribution connector with protection against mismatching allows assembly of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow resource-efficient, error-free installation in a large number of applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Pluggable installation connectors with B coding from the *WINSTA*® MINI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Your own pole marking is possible, too. Due to its particularly compact dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for installations when very little room is available.

Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA*® MINI

The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

-
- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with B coding for use in automation of processes, such as lighting technology, for instance
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

Data

Notes

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

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Ratings per IEC/EN

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 60664-1 |
| Nominal voltage (III/3) | 250 V |
| Rated impulse voltage (III/3) | 4 kV |
| Rated current | 16 A |
| Note (rated current) | 13 A for 3-pole load |
| Legend (ratings) | (III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

Ratings per UL 1977

| | |
|-------------------------|---|
| Note for the US market | Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office. |
| Rated voltage (UL 1977) | 600 V |
| Rated current UL 1977 | 14 A |

General information

| | |
|----------------------------|--|
| Note on contact resistance | approx. 1 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/socket |
|----------------------------|--|

Connection data

| | |
|----------------------------|---|
| Total number of potentials | 3 |
|----------------------------|---|

Connection 1

| | |
|-------------|---|
| Pole number | 3 |
|-------------|---|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 4.4 mm / 0.173 inches |
| Width | 16.4 mm / 0.646 inches |
| Height | 29 mm / 1.142 inches |
| Depth | 63.5 mm / 2.5 inches |

Mechanical Data

| | |
|-------------|--------------------|
| Application | Control technology |
| Coding | B |

Subject to changes. Please also observe the further product documentation!



| | |
|---|--|
| Variable coding | No |
| Marking | 1 2 3 |
| Potential marking | 1 2 3 |
| Mating force of a plug-in connection | approx. 20 ... 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Unmating force of a plug-in connection | Unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles | 200, without resistive load |
| Type of distribution box | h-distribution connector, outputs at one end |
| Protection type | IP20; IP40 when mated |
| Suitable | for flying leads |

Plug-in connection

| | |
|------------------------------------|--|
| Contact type (pluggable connector) | Socket/plug |
| Mismating protection | Yes |
| Note on mismating protection | All <i>WINSTA</i> [®] components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole |
| Locking lever | yes |
| Locking of plug-in connection | locking lever |
| Note on locking system | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |
| Number of locking levers | |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |

Subject to changes. Please also observe the further product documentation!



| | |
|-----------|----------|
| Fire load | 0.251 MJ |
| Weight | 13.9 g |

Environmental requirements

| | |
|--|--|
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-----------------------|---------------|
| Product Group | 20 (Winsta) |
| eCl@ss 10.0 | 27-44-06-03 |
| eCl@ss 9.0 | 27-44-06-03 |
| ETIM 8.0 | EC002567 |
| ETIM 7.0 | EC002567 |
| PU (SPU) | 50 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821530732 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CB DEKRA Certification B.V. | EN 61984 | 71-112993 |
| | CB DEKRA Certification B.V. | IEC 61984 | NL-64351 |
| | cURus Underwriters Laboratories Inc. | UL 1977 | E45171 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 60320 | 2148952.04 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | | | |

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| | | |
|---|---|---|
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |
| | LR Lloyds Register | EN 61535 | 08/20047 (E2) |

Counterpart

| | |
|---|--|
| Item no.890-243 Socket; 3-pole; Cod. B; 1,50 mm ² ; gray | www.wago.com/890-243 |
| Item no.890-253 Plug; 3-pole; Cod. B; 1,50 mm ² ; gray | www.wago.com/890-253 |
| Item no.891-8993/005-103 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm ² ; gray | www.wago.com/891-8993/005-103 |
| Item no.891-8993/105-103 pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm ² ; gray | www.wago.com/891-8993/105-103 |
| Item no.891-8993/205-103 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm ² ; gray | www.wago.com/891-8993/205-103 |

Required accessories

Mounting

| Mounting accessories | |
|---|--|
| Item no.: 890-623 Mounting plate; 3-pole; for distribution connectors; Plastic; black | www.wago.com/890-623 |
| Item no.: 890-673 Mounting plate; 3-pole; for distribution connectors; Plastic; white | www.wago.com/890-673 |

Downloads

Documentation

Bid Text

| | | | |
|-------------|--------------|--------|----------|
| 890-1761 | 2019 年2月19 日 | xml | Download |
| X81 - Datei | | 3.0 kB | |

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Installation Notes

Installation



Secure the mounting plate via pins.

Product family

WINSTA® MINI

[Show all products from the family](#)

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